

# Electronic Information Disclosure Statement



## METHOD AND APPARATUS FOR CONSTRUCTING HOST PROCESSOR SOFT DEVICES INDEPENDENT OF THE HOST PROCESSOR OPERATING SYSTEM

Application:   
09/823482

Confirmation: 5734

Applicant(s): Erik Cota-Robles

Docket  
Number: 042390P9774

Group Art  
Unit:

Examiner: Unassigned

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OCT 09 2002

Technology Center 2100

search string: (4,278,837 or 4,307,214 or 4,366,537 or 4,521,852 or 5,075,842 or 5,022,077 or 5,255,379 or 5,293,424 or 5,421,006 or 5,459,869 or 5,473,692 or 5,479,509 or 5,568,552 or 5,615,263 or 5,657,445 or 5,717,903 or 5,729,760 or 5,764,969 or 5,796,845 or 5,805,712 or 5,835,594 or 5,844,986 or 5,890,189 or 5,937,063 or 5,978,481 or 5,987,557 or 6,014,745 or 6,058,478 or 6,158,546 or 6,175,925 or 6,178,509 or 6,205,550 or 6,282,651 or 6,282,657 or 20010037450 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
4a	P01	4,278,837	1981-07-14		Best		
8a			1977-07-				

gn	P02	4,307,214	19		Birney, et al.
gn	P03	4,366,537	1982-12-28		Heller, et al.
gn	P04	4,521,852	1985-06-04		Gutttag
gn	P05	5,075,842	1991-12-24		Lai
gn	P06	5,022,077	1991-06-04		Bealkowski, et al.
gn	P07	5,255,379	1993-10-19		Melo
gn	P08	5,293,424	1994-03-08		Hotley, et al.
gn	P09	5,421,006	1995-05-30		Jablon, et al
gn	P10	5,459,869	1995-10-17		Spilo
gn	P11	5,473,692	1995-12-05		Davis
gn	P12	5,479,509	1995-12-26		Ugon
gn	P13	5,568,552	1996-12-22		Davis
gn	P14	5,615,263	1997-03-25		Takahashi
gn	P15	5,657,445	1997-08-12		Pearce
gn	P16	5,717,903	1998-02-10		Bonola
gn	P17	5,729,760	1998-03-17		Poisner
gn	P18	5,764,969	1998-06-09		Kahle, et al.
gn	P19	5,796,845	1998-08-18		Serikawa, et al.
gn	P20	5,805,712	1998-09-08		Davis
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fr	P23	5,890,189	1999-03-03		Nozue, et al.
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fr	P25	5,978,481	1999-11-02		Ganesan, et al.
fr	P26	5,987,557	1999-11-16		Ebrahim
fr	P27	6,014,745	2000-01-11		Ashe
fr	P28	6,058,478	2000-05-02		Davis
fr	P29	6,158,546	2000-12-12		Hanson, et al.
fr	P30	6,175,925	2001-01-16		Nardone, et al.
fr	P31	6,178,509	2001-01-23		Nardone, et al.
fr	P32	6,205,550	2001-03-20		Nardone, et al.
fr	P33	6,282,651	2001-08-28		Ashe
fr	P34	6,282,657	2001-08-28		Kaplan, et al.

## Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents


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fr	U01	20010037450	2001-11-01		Metlitski, et al.		

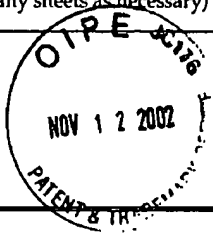
## Remarks

(Remarks are not for responding to an office action.)


Applicants, in accordance with their duty of disclosure under 37 CFR 1.56 and in accordance with 37 CFR 1.97(b)(3), hereby submit this Electronic Information Disclosure Statement citing U.S. Patent Documents for consideration by the Examiner. \* Pursuant to 37 CFR 1.97, the submission of this Electronic Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability. \* This Information Disclosure Statement is being filed prior to a substantive examination of the claims. Pursuant to 37 CFR 1.97(b), no fee should be required for the filing of this Information Disclosure Statement. In the event it is determined that a fee is due, please charge the fee to Deposit Account 02-2666. \* Applicants respectfully requests that the cited documents be considered and that the form be initialed by the Examiner to indicate such consideration and a copy thereof be returned to Applicants' attorney of record. \*

## Signature

Examiner Name	Date
	11/30/04

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 042390.P9774	Application Number: 09/823,482			
Page 1 of 2		First Named Inventor: Erik Cota Robles, et al.	<b>RECEIVED</b> <b>NOV 14 2002</b> Technology Center 2100			
		Filing Date: March 30, 2001				
<b>U.S. PATENT DOCUMENTS</b>						
Exam. Initial*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code <sup>2</sup>	Kind (If known)			
SW		5,455,909		James S. Blomgren, et al.	10-03-1995	

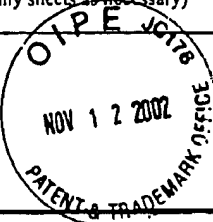
FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office <sup>3</sup> Code <sup>5</sup>	Number <sup>4</sup>	Kind (If known)				
SW			EP0600112	A1	Siemens Nixdorf Information System	06-08-1994		X Abstract only
SW			EP0930567	A3	Texas Instruments, Inc.	07-21-1999		
SW			EP1146715	A1	ContentGuard Holdings, Inc.	10-17-2001		
SW			WO 98/34365		AT & T Corporation	08-06-1998		
SW			WO 98/44402		British Telecommunications Public Limited Company	10-08-1998		
SW			WO 99/05600		Apple Computer, Inc.	02-04-1999		
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SW			WO 99/57863		International Business Machines Corp.	11-11-1999		
SW			WO 00/62232		Digital Media On Demand, Inc.	10-19-2000		


Examiner Signature		Date Considered	11/30/04
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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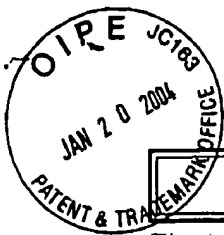
Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 042390.P9774	Application Number: 09/823,482
Page 2 of 2		First Named Inventor: Erik Cota Robles, et al.	<b>RECEIVED</b> NOV 14 2002 Technology Center 2100
		Filing Date: March 30, 2001	
<b>OTHER ART - NO PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation <sup>2</sup>
sn		BERG, Cliff, "How Do I Create A Signed Applet?" Dr. Dobb's Journal, August 1997, pages 1-9	
sn		GOLDBERG, Robert P., "Survey of Virtual Machine Research," IEEE Computer Magazine Vol. 7, No. 6, pages 34-45, 1974	
sn		GONG, Li, et al., "Going Beyond the Sandbox: An Overview of the New Security Architecture in the Java Development Kit 1.2," JavaSoft, Sun Microsystems, Inc., Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, California, 11 pages December 1997	
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sn		LAWTON, K., "Running Multiple Operation Systems Concurrently On An IA32 PC Using Virtualization Techniques," <a href="http://www.plex86.org/research/paper.txt">http://www.plex86.org/research/paper.txt</a> , pp 1-31, downloaded August 9, 2001	
sn		MOTOROLA, M68040 User's Manual (Including the MC68040, MC68040V, MC68LC040, MC68EC040, and MC68EC040V), Revised 1993	
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Examiner Signature		Date Considered	11/30/04
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
Invention

Method and Apparatus for Constructing Host Processor Soft  
Devices Independent of the Host Processor Operating  
System

Application Number: 09/823482

Confirmation Number: 5734

First Named Applicant: Erik Cota-Robles

Attorney Docket Number: 42P09774

Art Unit: 2127

Examiner: Lilian Vo

Search string: ( 20030018892 or 4162536 or 4276594 or  
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### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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7	4795893	1989-01-03	Ugon, Michael
8	4825052	1989-04-25	Chemin, Francois , et al.
9	4907270	1990-03-06	Hazard, Michel
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11	4910774	1990-03-20	Barakat, Simon
12	5007082	1991-04-09	Cummins, Mary T.
13	5434999	1995-07-18	Goire, Christian , et al.
14	5442645	1995-08-15	Ugon, Michel , et al.
15	5459867	1995-10-17	Adams, Phillip M., et al.
16	5528231	1996-06-18	Patarin, Jacques
17	5533126	1996-07-02	Hazard, Michel , et al.
18	5564040	1996-10-08	Kubals, Jeffrey P.
19	5566323	1996-10-15	Ugon, Michel
20	5568552	1996-10-22	Davis, Derek L.
21	5582717	1996-12-10	Di Santo, Dennis E.
22	5606617	1997-02-25	Brands, Stefanus A.
23	5720609	1998-02-24	Pfefferle, William C.
24	5721222	1998-02-24	Bernstein, Peter R., et al.
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33	6092095	2000-07-18	Maytal, Benjamin
34	6115816	2000-09-05	Davis, Derek L.
35	6173417	2001-01-09	Merrill, John W.
36	6212635	2001-04-03	Reardon, David C.
37	6222923	2001-04-24	Schwenk, Joerg
38	6252650	2001-06-26	Nakaumra, Kouji
39	6269392	2001-07-31	Cotichini, Christian , et al.
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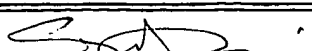
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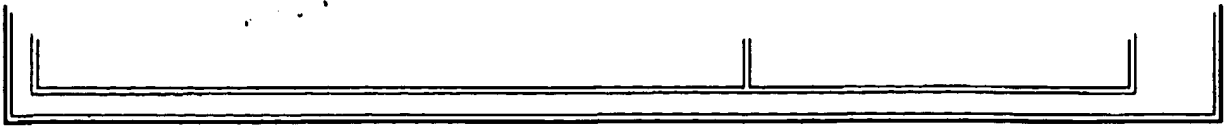
## Remarks

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## Signature

Examiner Name	Date
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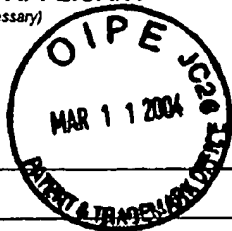
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	09/823,482
Filing Date	March 30, 2001
First Named Inventor	Cota-Robles, Erik
Group Art Unit	2127
Examiner Name	Vo, Lilian

Sheet 1 of 1

Attorney Docket No: 042390.P9774

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	IPC Class
SN	EP-EP0473913	03/11/1992	Farrell, Joel A.			EP-EP0473913

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	IPC Class
SN		BRANDS, STEFAN, "Restrictive Blinding of Secret-Key Certificates", SPRINGER-VERLAG XP002201306, (1995), Chapter 3	
SN		DAVIDA, GEORGE I., et al., "Defending Systems Against Viruses through Cryptographic Authentication", <u>Proceedings of the Symposium on Security and Privacy</u> , IEEE Comp. Soc. Press, ISBN 0-8186-1939-2, (May 1989),	
SN		INTEL, "IA-32 Intel Architecture Software Developer's Manual", Volume 3: System Programming Guide, Intel Corporation - 2003, 13-1 through 13-24	
SN		LUKE, JAHN, et al., "Replacement Strategy for Aging Avionics Computers", IEEE AES Systems Magazine, XP002190614, (March 1999),	
SN		MENEZES, OORSCHOT, "Handbook of Applied Cryptography", CRC Press LLC, USA XP002201307, (1997), 475	
SN		RICHT, STEFAN, et al., "In-Circuit-Emulator Wird Echtzeitauglich", <u>Elektronik</u> , Franzis Verlag GMBH, Munchen, DE, Vol. 40, No. 16, XP000259620, (100-103), 8-6-1991	
SN		SAEZ, SERGIO, et al., "A Hardware Scheduler for Complex Real-Time Systems", <u>Proceedings of the IEEE International Symposium on Industrial Electronics</u> , XP002190615, (July 1999), 43-48	
SN		SHERWOOD, TIMOTHY, et al., "Patchable Instruction ROM Architecture", Department of Computer Science and Engineering, University of California, San Diego, La Jolla, CA, (Nov. 2001),	

EXAMINER

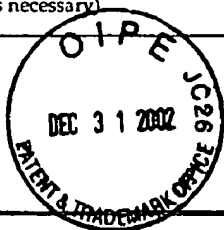
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Substitute Disclosure Statement Form (PTO-1442)

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Page 1 of 1		First Named Inventor: Erik Cota Robles, et al.	
		Filing Date: March 30, 2001	



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		Number Code <sup>2</sup>	Kind (If known)			

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OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation <sup>2</sup>
SN		HEINRICH, J., "MIPS R4000 Microprocessor User's Manual," Chapter 4, Memory Management, pages 61-97, 1993	

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Examiner Signature		Date Considered	11/30/04
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